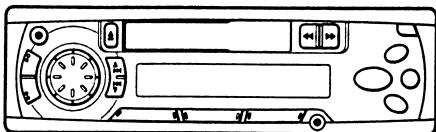




CT-X420	YU(ST)
CT-X410	YU(ST)
CT-X4150	YL(ST)
CT-X4100	YL(ST)
CT-X325	YVJ(ST)
CT-X320	YZ(ST), YVJ(ST)
CT-X310	YZ(ST)



SERVICE MANUAL

STEREO CAR CASSETTE RECEIVER

BASIC TAPE MECHANISM : CDS-363AG1-A

This Service Manual is the "Revision Publishing" and replaces "Simple Manual"
CT-X420 YU(ST)/X410 YU(ST)(S/M Code No.09-003-339-2T1),
CT-X310 YZ(ST)/X325 YVJ(ST)/X320 YZ(ST), YVJ(ST)/X4100 YL(ST)/X4150 YL(ST)
(S/M Code No.09-003-339-1T2).

aiwa
S/M Code No. 09-003-339-2R1

REVISION
DATA

SPECIFICATIONS

RADIO SECTION

(FM)

Frequency Range:	87.5 MHz–108 MHz (100-kHz steps)
	87.5 MHz–108 MHz [Except YV]
	65 MHz–74 MHz [YV] (50-kHz steps)
Usable Sensitivity:	12.7 dBf
50 dB Quieting Sensitivity:	17.2 dBf
IF Rejection:	80 dB
Frequency Response:	30 Hz–15,000 Hz
S/N Ratio:	63 dB
Stereo Separation:	35 dB at 1 kHz
Alternate Channel Selectivity:	70 dB
Capture Ratio:	3 dB

(AM(MW)) [YU]

Frequency Range:	530 kHz–1,710 kHz (10-kHz steps)
	531 kHz–1,602 kHz (9-kHz steps)
Usable Sensitivity:	30 µV (30 dB)

(MW) [YZ, YV]

Frequency Range:	531 kHz–1,620 kHz (9-kHz steps)
	530 kHz–1,710 kHz (10-kHz steps)
Usable Sensitivity:	30 µV (30 dB)

(LW) [YZ, YV]

Frequency Range:	144 kHz–288 kHz (1-kHz/9-kHz steps)
Usable Sensitivity:	30 µV (30 dB)

TAPE SECTION

Tape Speed:	4.8 cm/sec. (1 ⁷ / ₈ ips)
S/N Ratio:	50 dB
Frequency Response:	40 Hz–14,000 Hz
Stereo Separation:	40 dB
FF/REW Time:	190 sec. (C-60)

AUDIO SECTION

Max. Power Output:	40 W x 4 channels
Input sensitivity (load impedance)	
CD/MC IN:	300 mV (10 kΩ)

GENERAL

Power-Supply Voltage:	14.4 V (11 to 16 V allowable), DC, negative ground
Load Impedance:	4Ω
Tone Control:	Bass ± 10 dB at 100 Hz Treble ± 10 dB at 10 kHz
Preamp Output Voltage (load impedance):	2.2 V (10 kΩ)
Installation size:	182(W) x 53(H) x 155(D) mm (7 ¹ / ₄ (W) x 2 ¹ / ₈ (H) x 6 ¹ / ₈ (D) inches)

• Design and specifications are subject to change without notice.

ACCESSORIES LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-KTG-903-010	IB, YL (3L)	4100, 4150<G, H>	9	8Z-KT1-251-010		S-SCREW, 5*6 TH+ TAPPING ST
1	8A-KTG-902-010	IB, YU (3L)	410	10	88-KT1-247-010		S-SCREW, HEXAGON
1	8A-KTG-901-010	IB, YU (3L)	420<A>	11	88-KT1-250-010		S-SCREW, THIN HEAD+2.6-4 BLK
1	8A-KTG-906-010	IB, YV (ER)	320<D, F>	12	8A-KTG-951-010		SPKR, 13CM ASSY<D>
1	8A-KTG-905-010	IB, YZ (9L)	320<C, E>	13	8Z-KTG-951-010		SPKR, 16CM ASSY<H>
2	8A-KTG-904-010	IB, INST, SP	(3L, P)-A<H>	14	87-B10-143-010		UT1+5-15 W/O SLOT
2	8A-KTG-907-010	IB, INST, SP	(ER)-A<D>	15	87-B10-144-010		W, 5.2-10-0.5
2	8A-KT5-902-010	IB, INST, YU, YL	(3L, P)<A, B, G, H>	16	87-B10-145-010		W-SPR, 5.3-8.5-1.5
2	8A-KT3-902-010	IB, INST, YZ	(9L)-A<C, D, E, F>				
3	86-KT1-237-010	HLDL, REAR MTG					
4	8Z-KT1-231-010	HLDL, HALF	-T				
5	8Z-KT1-625-010	CONN ASSY, 16P	SOC016<A, B, G, H>				
6	8Z-KT1-030-010	CASE, DFP	-T				
7	8Z-KT1-232-010	KEY, REMOVE	-T				
8	87-B10-141-010	NUT, 5	TYPE-2				

TYPE	MODEL NAME	SUFFIX
A	CT-X420	YU
B	CT-X410	YU
C	CT-X310	YZ
D	CT-X325	YV
E	CT-X320	YZ
F	CT-X320	YV
G	CT-X4100	YL
H	CT-X4150	YL

ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

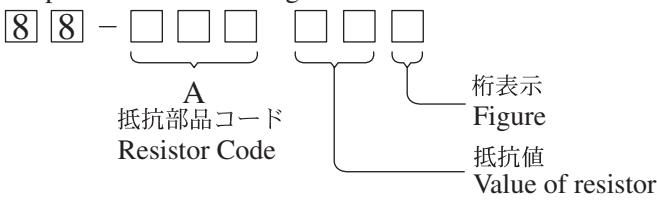
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C304	87-010-378-010	CAP, ELECT 10-16SME	
8Z-KT1-622-010	C-IC,LC75374E			C305	87-010-263-010	CAP, ELECT 100-10V	
8Z-KTG-622-010	IC,TA8259H			C306	87-010-263-010	CAP, ELECT 100-10V	
87-A21-539-030	C-IC,TC9323F			C307	87-012-365-080	C-CAP,S 0.027-25VBK	
87-A21-191-010	IC,KIA6225S			C308	87-012-365-080	C-CAP,S 0.027-25VBK	
87-A21-441-010	C-IC,TC9297FB			C309	87-010-401-010	CAP, ELECT 1-50V	
TRANSISTOR				C310	87-010-401-010	CAP, ELECT 1-50V	
89-423-953-010	TR,2SD2395FY			C311	87-010-263-010	CAP, ELECT 100-10V	
87-A30-468-040	C-TR,KRC102S-RTK			C312	87-010-401-010	CAP, ELECT 1-50V	
87-026-576-080	C-TR,DTC343TK			C313	87-010-401-010	CAP, ELECT 1-50V	
87-A30-470-040	C-TR, KTC3875SY-RTK			C314	87-010-380-010	CAP,E 47-16 SME	
87-A30-471-040	C-TR, KTA1504SY-RTK			C315	87-A11-128-080	CAP, CER 4700P	
8Z-KTH-626-080	TR,KTC3203Y			C316	87-A11-128-080	CAP, CER 4700P	
8Z-KTH-627-080	TR,KTA1273Y			C401	87-010-380-010	CAP,E 47-16 SME	
87-A30-476-010	TR,KTA1046Y			C402	87-010-196-080	CHIP CAPACITOR,0.1-25	
87-A30-487-080	TR,KRC111M-AT			C403	87-010-401-010	CAP, ELECT 1-50V	
87-A30-295-010	TR,KRA226M			C404	87-010-401-010	CAP, ELECT 1-50V	
87-A30-473-080	TR,KRC102M-AT			C405	87-010-401-010	CAP, ELECT 1-50V	
87-A30-475-080	TR,KRA104M-AT			C406	87-010-401-010	CAP, ELECT 1-50V	
8Z-KTH-623-080	TR,KTA1267Y<C,D,E,F>			C407	87-010-184-080	CHIP CAPACITOR 3300P(K)	
87-A30-467-040	C-TR,KRA111S-RTK			C408	87-010-184-080	CHIP CAPACITOR 3300P(K)	
87-A30-469-040	C-TR, KRC111S-RTK			C409	87-010-198-080	CAP, CHIP 0.022	
87-A30-472-040	C-TR, KRA226S-RTK			C410	87-010-198-080	CAP, CHIP 0.022	
DIODE				C411	87-010-378-010	CAP, ELECT 10-16SME	
87-020-465-080	DIODE,1SS133 (110MA)			C412	87-010-378-010	CAP, ELECT 10-16SME	
87-A40-798-010	DIODE,1N5402GW(3A/200V)			C413	87-A11-177-080	C-CAP,S 0.15-16 K B	
87-001-783-080	DIODE,1N4002			C414	87-A11-177-080	C-CAP,S 0.15-16 K B	
87-017-932-080	ZENER,MTZJ6.2B			C415	87-A11-177-080	C-CAP,S 0.15-16 K B	
87-070-334-080	ZENER,MTZJ10B			C416	87-A11-177-080	C-CAP,S 0.15-16 K B	
87-A40-337-080	ZENER,MTZJ 6.8B			C417	87-010-378-010	CAP, ELECT 10-16SME	
87-A40-523-080	ZENER,MTZJ9.1B			C418	87-010-378-010	CAP, ELECT 10-16SME	
87-A40-830-040	DIODE,KDS226-RTK			C419	87-010-401-010	CAP, ELECT 1-50V	
87-020-585-080	CHIP-ZENER,02CZ6.2Y			C420	87-010-401-010	CAP, ELECT 1-50V	
87-A40-819-040	C-ZENER,STZ6.8T			C421	87-010-401-010	CAP, ELECT 1-50V	
MAIN C.B				C422	87-010-401-010	CAP, ELECT 1-50V	
ANT101	8Z-KT1-614-010	ANT,AW-002		C501	87-010-378-010	CAP, ELECT 10-16SME<A>	
C101	87-018-119-080	CAP,CER 100P-50V		C502	87-010-378-010	CAP, ELECT 10-16SME<A>	
C102	87-018-134-080	CAPACITOR,TC-U 0.01-16		C503	87-010-378-010	CAP, ELECT 10-16SME	
C103	87-010-380-010	CAP,E 47-16 SME		C504	87-010-378-010	CAP, ELECT 10-16SME	
C104	87-010-380-010	CAP,E 47-16 SME		C505	87-010-175-080	CAP 560P<A>	
C105	87-018-134-080	CAPACITOR,TC-U 0.01-16		C506	87-010-175-080	CAP 560P<A>	
C106	87-018-134-080	CAPACITOR,TC-U 0.01-16		C507	87-010-175-080	CAP 560P	
C109	87-018-134-080	CAPACITOR,TC-U 0.01-16		C508	87-010-175-080	CAP 560P	
C110	87-018-134-080	CAPACITOR,TC-U 0.01-16		C601	87-016-083-080	C-CAP,S 0.15-16 RK	
C111	87-010-402-080	CAP, ELECT 2.2-50V		C602	87-016-083-080	C-CAP,S 0.15-16 RK	
C112	87-018-205-080	CAP, CERA-SOL 0.022		C603	87-016-083-080	C-CAP,S 0.15-16 RK	
C119	87-010-194-080	CAP, CHIP 0.047		C604	87-016-083-080	C-CAP,S 0.15-16 RK	
C120	87-010-194-080	CAP, CHIP 0.047		C605	87-018-209-080	CAP, CER 0.1-50V	
C121	87-018-134-080	CAPACITOR,TC-U 0.01-16		C607	87-A11-179-010	CAP,E 10-16-105 D5*L11 KMF	
C122	87-018-134-080	CAPACITOR,TC-U 0.01-16		C608	8Z-KT1-633-090	CAP,E 3300U-16 PW	
C123	87-010-380-010	CAP,E 47-16 SME		C609	87-010-180-080	C-CER 1500P	
C124	87-018-209-080	CAP,CER 0.1-50V		C610	87-010-180-080	C-CER 1500P	
C201	87-018-209-080	CAP,CER 0.1-50V		C611	87-010-180-080	C-CER 1500P	
C203	87-018-132-010	CAP CER CYL SS 2200P		C612	87-010-180-080	C-CER 1500P	
C204	87-018-205-080	CAP, CERA-SOL 0.022		C701	87-010-380-010	CAP,E 47-16 SME	
C205	87-010-263-010	CAP, ELECT 100-10V		C702	87-010-248-010	CAP, ELECT 100-10V	
C208	87-010-112-010	CAP,ELECT 100-16V		C703	87-010-198-080	CAP, CHIP 0.022	
C211	87-010-378-010	CAP, ELECT 10-16SME		C705	87-010-314-080	C-CAP,S 22P-50V	
C213	87-010-380-010	CAP,E 47-16 SME		C706	87-010-197-080	CAP, CHIP 0.01 DM	
C214	87-018-134-080	CAPACITOR,TC-U 0.01-16<C,D,E,F>		C707	87-010-315-080	C-CAP,S 27P-50 CH	
C215	87-018-209-080	CAP, CER 0.1-50V		C708	87-010-314-080	C-CAP,S 22P-50V	
C301	87-018-131-080	CAP, CER 1000P-50V		C709	87-016-526-080	C-CAP,S 0.47-16 BK	
C302	87-018-131-080	CAP, CER 1000P-50V		C710	87-010-401-010	CAP, ELECT 1-50V	
C303	87-010-378-010	CAP, ELECT 10-16SME		C711	87-010-404-010	CONDENSER 4.7-50	
				C712	87-012-349-080	C-CAP,S 1000P-50 CH	

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C713	87-016-526-080	C-CAP,S	0.47-16 BK		FRONT C.B		
C714	87-016-526-080	C-CAP,S	0.47-16 BK				
C715	87-016-669-080	C-CAP,S	0.1-25 K B	C901	87-012-358-080	C-CAP,S	0.47-10 F Z
C716	87-016-669-080	C-CAP,S	0.1-25 K B	C902	87-010-197-080	CAP, CHIP	0.01 DM
C717	87-010-248-010	CAP, ELECT	100-10V	CN901	88-KTA-602-010	CONN,15P	CAM-B67
				D907	87-017-827-070	C-LED,SEC	1201C RED
C801	87-018-134-080	CAPACITOR,TC-U	0.01-16	D908	87-017-827-070	C-LED,SEC	1201C RED
C802	87-018-209-080	CAP, CER	0.1-50V				
C803	87-018-209-080	CAP, CER	0.1-50V	D909	87-017-827-070	C-LED,SEC	1201C RED
C804	87-012-349-080	C-CAP,S	1000P-50 CH	D910	87-A40-813-040	C-LED,SEC1E01C	BLUE
C805	87-012-349-080	C-CAP,S	1000P-50 CH	D911	87-A40-813-040	C-LED,SEC1E01C	BLUE
				D912	87-A40-813-040	C-LED,SEC1E01C	BLUE
CN201	8Z-KT1-624-010	CONN,16P	SOC017<A,B,G,H>	LCD901	8A-KTG-612-010	LCD,AKT-16-17	AUX<EXCEPT F>
CN301	87-009-031-010	CONNECTOR,	3P				
CN302	87-099-408-010	CONN,8P	EH V WHT	LCD901	8A-KTG-610-010	LCD,AKT-16-17<F>	
CN801	88-KTA-603-010	CONN,15P	CAM-B68	PL901	8A-KT7-655-010	LAMP,9V-50MA	
CNA201	8A-KT1-631-010	CONN ASSY,8P	ISO-BLACK-A<C,D,E,F>	PL902	8A-KT7-655-010	LAMP,9V-50MA	
				S901	87-036-251-080	SW,T CT	6X3.5 160
CNA202	8A-KT1-632-010	CONN ASSY,8P	ISO-WHITE-A<C,D,E,F>	S902	87-036-251-080	SW,T CT	6X3.5 160
CNA301	8Z-KTG-651-010	CONN ASSY,3P	HEAD				
CNA302	8Z-KTG-652-010	CONN ASSY,8P	MOTOR	S903	87-036-251-080	SW,T CT	6X3.5 160
D806	87-027-262-010	LEDE,TLR-124	(RED)	S904	87-036-251-080	SW,T CT	6X3.5 160
F201	8Z-KC1-621-010	FUSE,15A	32V	S905	87-A90-001-080	C-SW,TACT	SKQML
				S906	87-036-251-080	SW,T CT	6X3.5 160
J501	87-A61-225-010	JACK,PIN 2P	XR-401<EXCEPT A>	S907	87-036-251-080	SW,T CT	6X3.5 160
J501	87-A61-224-010	JACK,PIN 4P	XR-401<A>				
L101	87-003-143-080	COIL	4.7 UH	S908	87-036-251-080	SW,T CT	6X3.5 160
L102	8Z-KT1-619-010	COIL,68MH	K7-D	S909	87-036-251-080	SW,T CT	6X3.5 160
L201	8Z-KT1-615-010	FLTR,AMORPHOUS	-CHOKE	S910	87-036-251-080	SW,T CT	6X3.5 160
				S911	87-A90-001-080	C-SW,TACT	SKQML
L451	87-003-143-080	COIL	4.7 UH	S912	87-A90-001-080	C-SW,TACT	SKQML
L701	87-003-149-080	COIL,	47UH				
L702	87-003-097-080	COIL,	1UH	S913	87-036-251-080	SW,T CT	6X3.5 160
L801	87-003-149-080	COIL,	47UH	S915	87-A90-001-080	C-SW,TACT	SKQML
S751	87-A91-152-010	SW,SL	1-1-2 SSSS212-11-A	S916	87-A90-001-080	C-SW,TACT	SKQML
				VR101	87-A91-597-010	SW,RTRY SIM-026MT	
TUN101	8A-KC8-620-010	TU UNIT,	FAE347-A11<C,E>	W901	8A-KT9-611-010	F-CABLE,3P	50MM
TUN101	8A-KC8-621-010	TU UNIT,	FAE347-A12<A,B,G,H>				
TUN101	8A-KTG-607-010	TU UNIT,	FAE347-P10<D,F>				
X701	87-A70-175-010	VIB,XTAL	4.5MHZ AT-49	AUX C.B			
					J901	87-A61-229-010	JACK,3.5 BLK ST W/SW

TYPE	MODEL NAME	SUFFIX
A	CT-X420	YU
B	CT-X410	YU
C	CT-X310	YZ
D	CT-X325	YV
E	CT-X320	YZ
F	CT-X320	YV
G	CT-X4100	YL
H	CT-X4150	YL

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

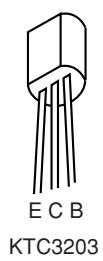
チップ抵抗部品コードの成り立ち Chip Resistor Part Coding



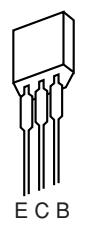
チップ抵抗 Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法/Dimensions (mm)			抵抗コード Resistor Code : A
				外形/Form	L	W	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35
1/16W	1608	± 5%	CJ		1.6	0.8	0.45
1/10W	2125	± 5%	CJ		2	1.25	0.45
1/8W	3216	± 5%	CJ		3.2	1.6	0.55

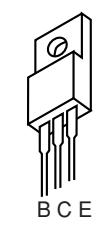
TRANSISTOR ILLUSTRATION



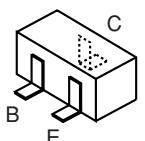
KTC3203



KRA104M
KRA226M
KRC102M
KRC111M
KTA1267
KTA1273



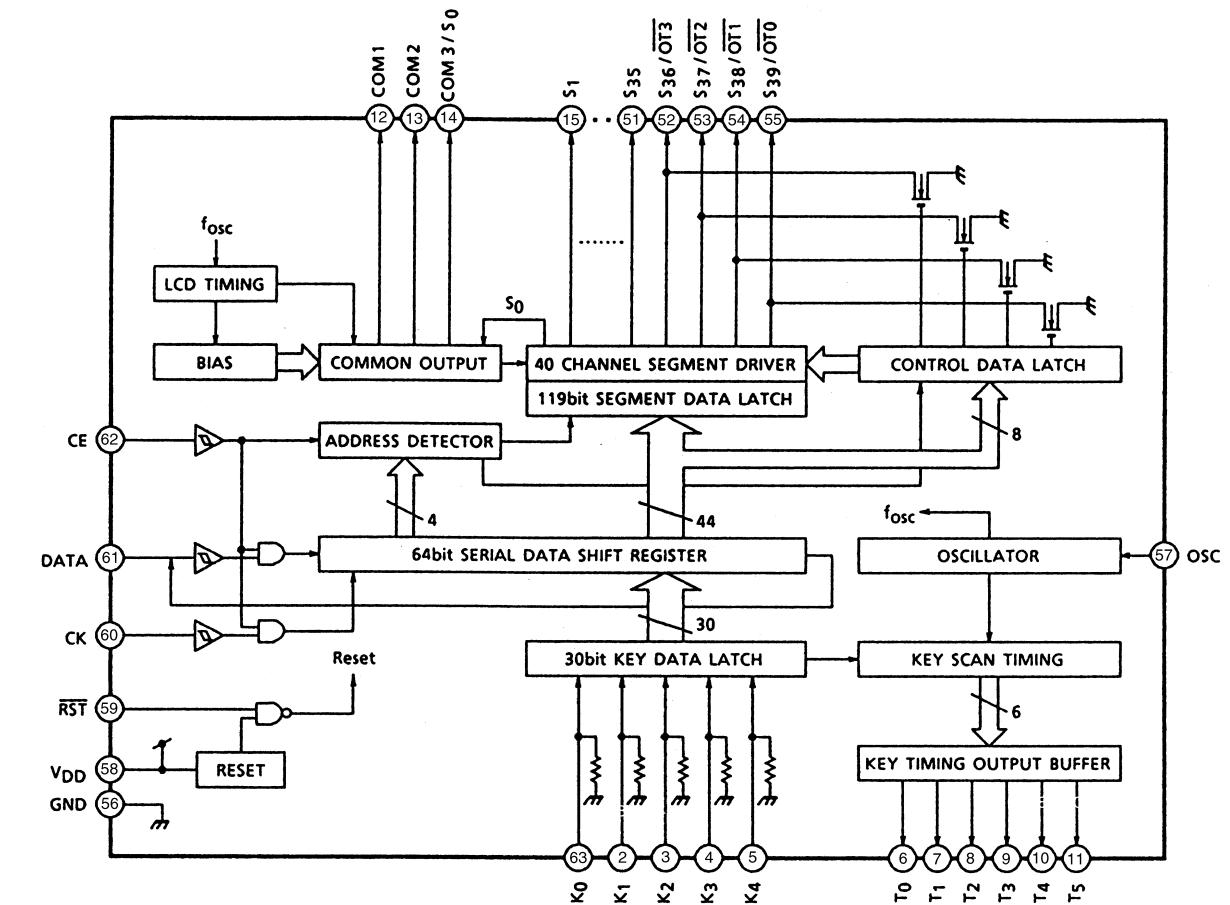
2SD2395
KTA1046



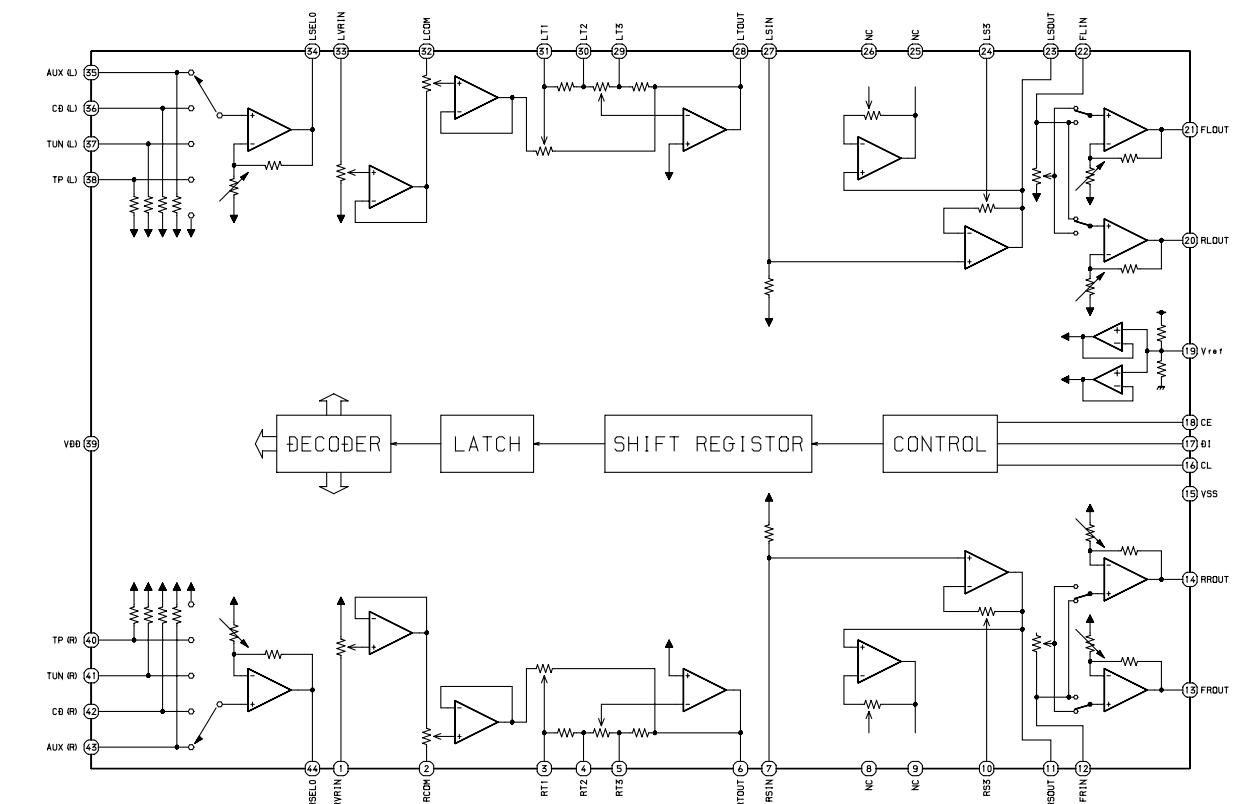
DTC343TK
KRA111S
KRA226S
KRC102S
KRC111S
KTA1504
KTC3875

IC BLOCK DIAGRAM-1

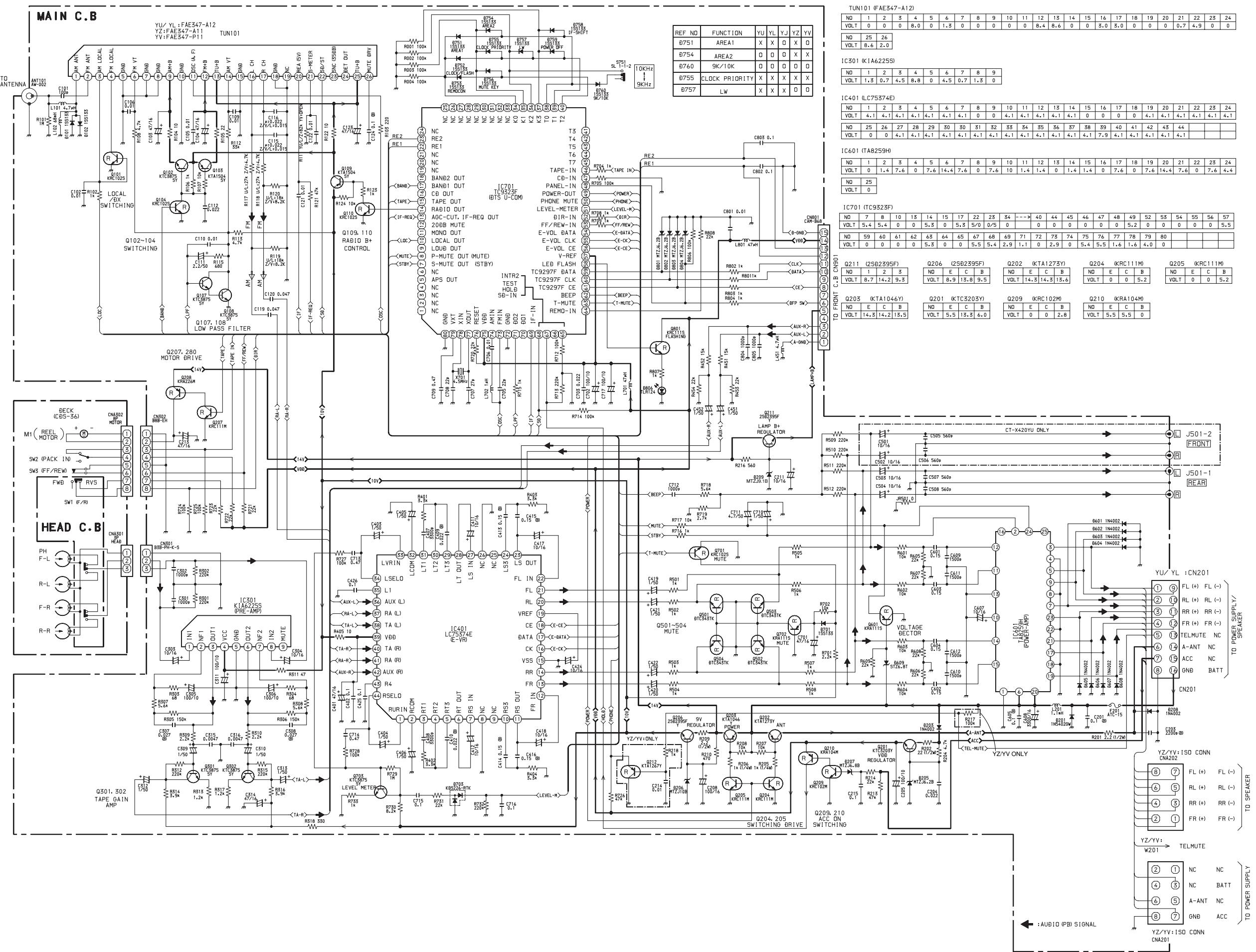
IC, TC9297FB

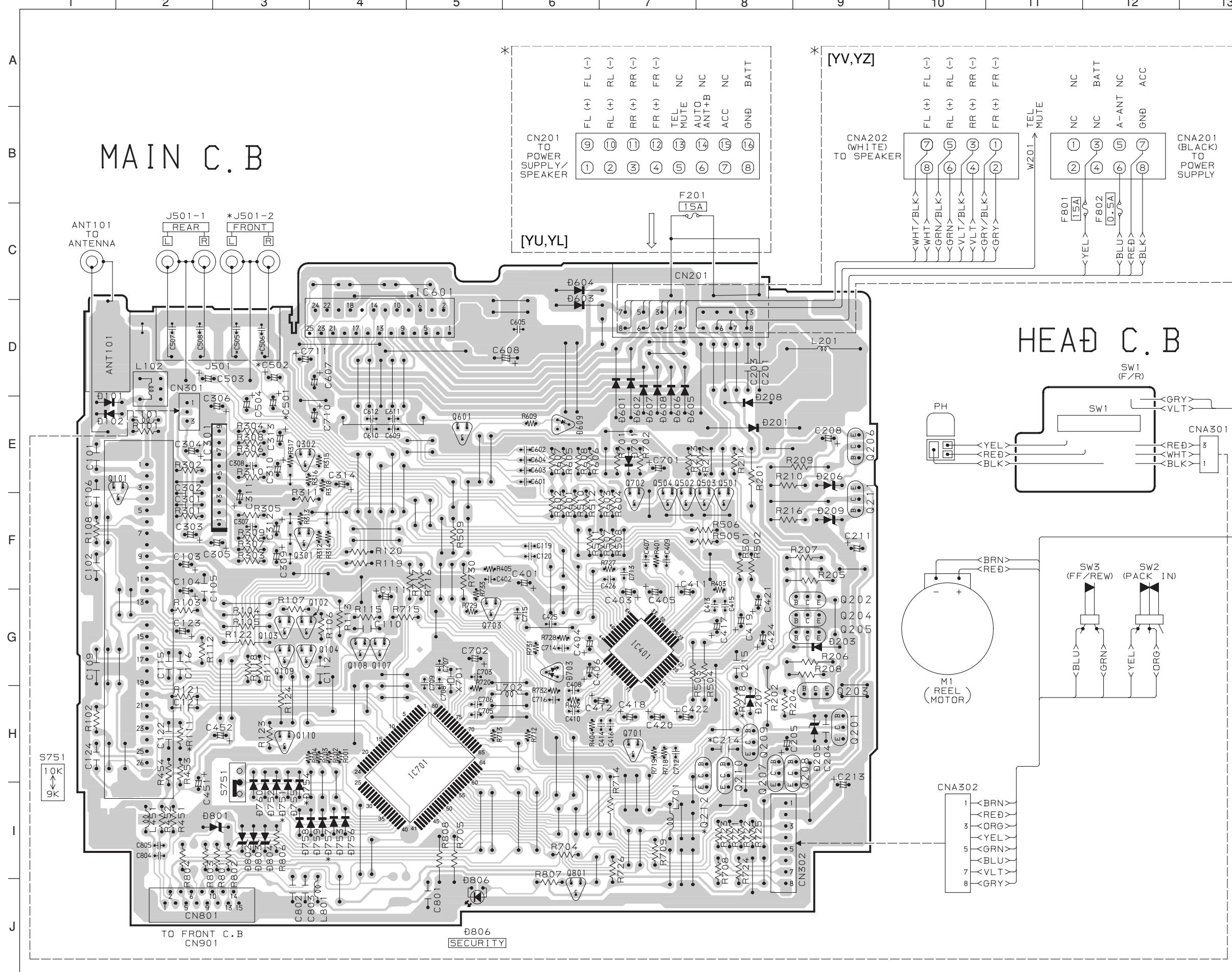


IC, LC75374E



SCHEMATIC DIAGRAM-1



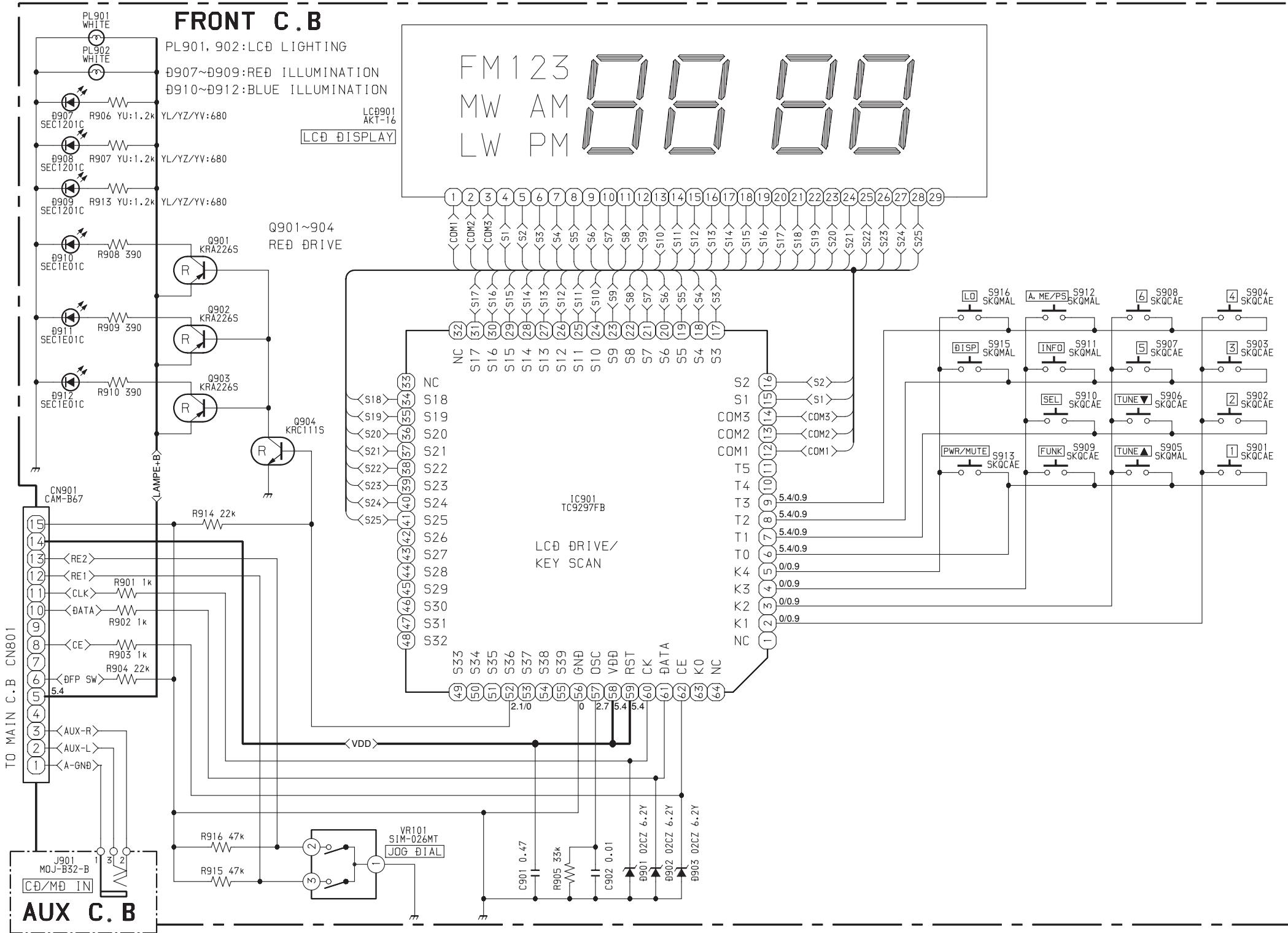


[This table lists the different components marked with asterisks (*) in the MAIN CB]

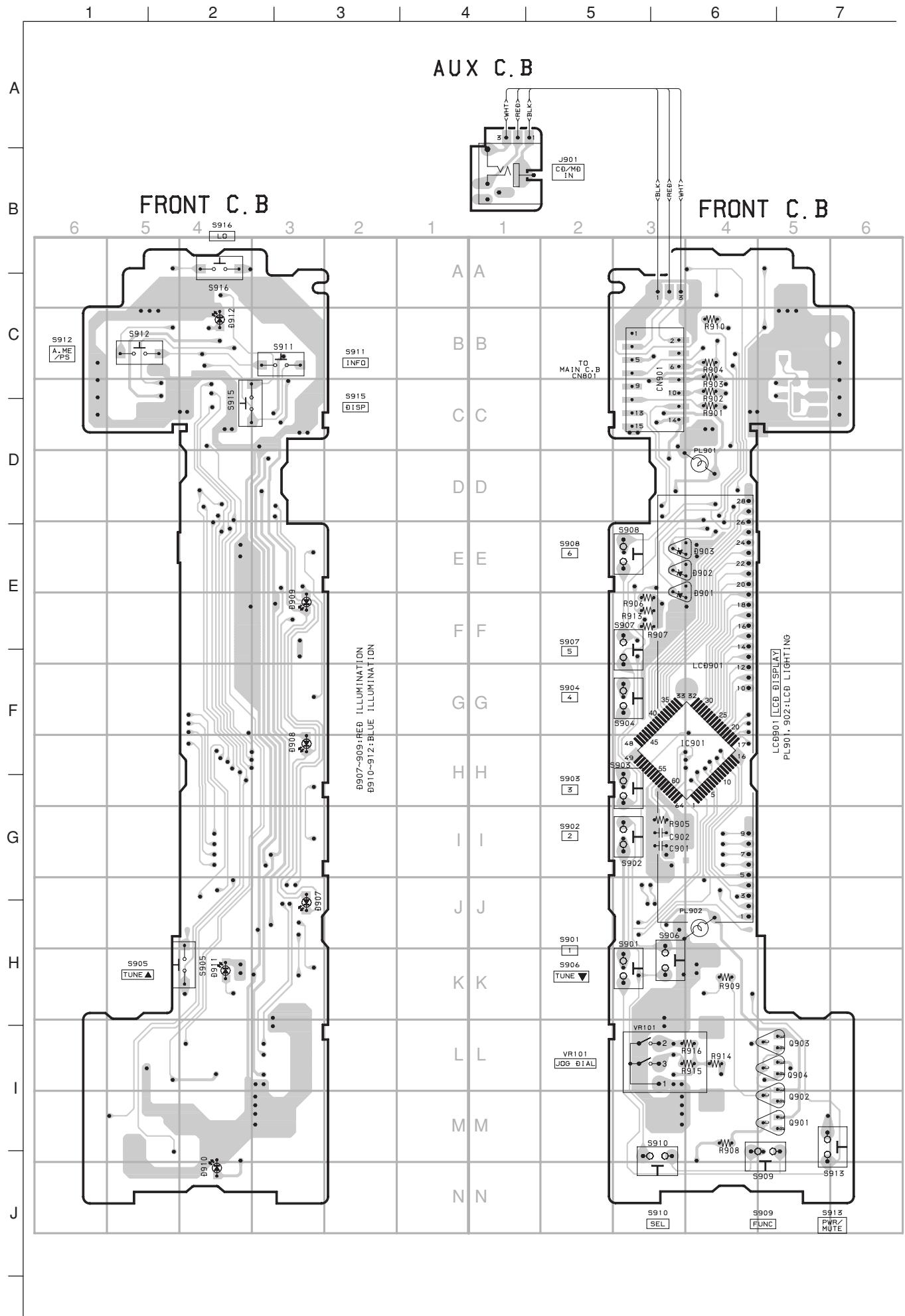
Ref No.	A	B	C	D	E	F	G	H
C214			C	D	E	F		
C501	A							
C502	A							
C505	A							
C506	A							
CN201	A	B					G	H
CNA201			C	D	E	F		
CNA202			C	D	E	F		
D751			D					
D754	A	B					G	H
D757			C	D	E	F		
J501-2	A							
Q212			C	D	E	F		
R111			D					
R217			C	D	E	F		
R218			C	D	E	F		

TYPE	MODEL NAME	SUFFIX
A	CT-X420	YU
B	CT-X410	YU
C	CT-X310	YZ
D	CT-X325	YY
E	CT-X320	YZ
F	CT-X320	YY
G	CT-X4100	YL
H	CT-X4150	YL

SCHEMATIC DIAGRAM-2

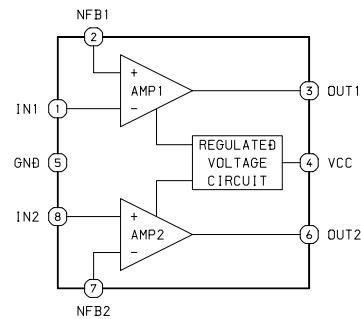


WIRING-2

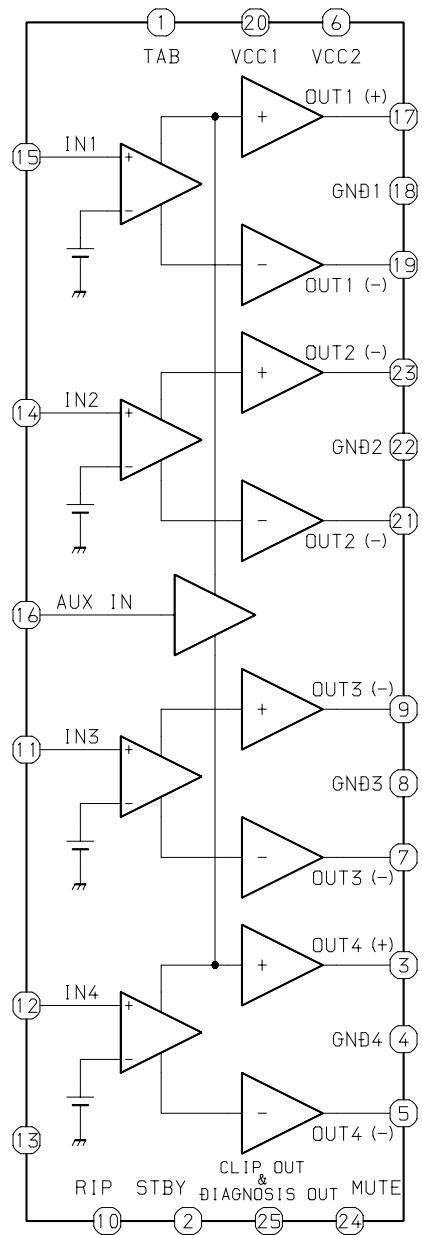


IC BLOCK DIAGRAM-2

IC, KIA6225S



IC, TA8259H



IC DESCRIPTION

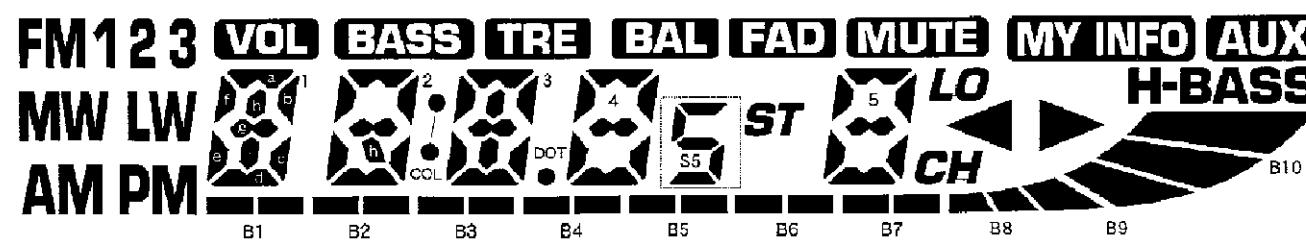
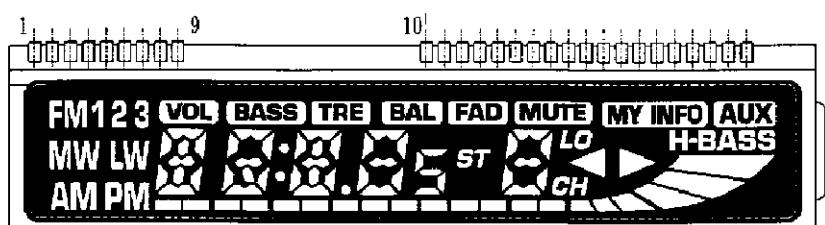
IC, TC9323F

Pin No.	Pin Name	I/O	Description															
1 ~ 4	N.C	-	Not connected.															
5	APS	O	MS signal output															
6	N.C	-	Not connected.															
7	S-MUTE	O	Standby muting output															
8	P-MUTE	O	Muting output to power amp															
9	LOUD	O	Loudness output															
10	LOCAL	O	Local/DX switching output. LOCAL: "H", DX: "L"															
11	MONO	O	MONO/STEREO switching output. MONO: "H", STEREO: "L"															
12	20dB MUTE	O	-20dB muting output. This function is enabled when the -20dB muting jumper is selected.															
13	AGC CUT/IF REQ	O	Outputs "H" during searching of frequency. This is an IF count control signal or used to shut off the AGC circuit.															
14	RADIO	O	RADIO output															
15	TAPE	O	TAPE output															
16	CD	O	CD output															
17	BAND 1	O	Band switching outputs <table border="1"> <tr> <th></th><th>BAND1</th><th>BAND2</th></tr> <tr> <td>FM</td><td>H</td><td>L</td></tr> <tr> <td>MW</td><td>L</td><td>L</td></tr> <tr> <td>LW</td><td>L</td><td>H</td></tr> <tr> <td>FM (L)</td><td>H</td><td>H</td></tr> </table>		BAND1	BAND2	FM	H	L	MW	L	L	LW	L	H	FM (L)	H	H
	BAND1	BAND2																
FM	H	L																
MW	L	L																
LW	L	H																
FM (L)	H	H																
18	BAND 2	O																
19 ~ 21	N.C	-	Not connected															
22	RE1	I	Rotary encoder input 1															
23	RE2	I	Rotary encoder input 2															
24 ~ 33	N.C	-	Not connected															
34 ~ 37	K0 ~ K3	I	Key matrix inputs															
38 ~ 45	T0 ~ T7	O	Diode matrix outputs															
46	TAPE	I	TAPE input															
47	CD	I	CD input. "H" CD input enables the CD key.															
48	PANEL	I	Detects detachable panel (0.2-0.5 s chattering time is provided). Panel provided: "H", Panel not provided: "L"															
49	POWER	O	Power output															
50	PHONE MUTE	I	The telephone signal automatically applies muting.															
51	LEVEL METER	-	The signal level is converted to a digital signal. This meter signal moves the LCD level bar according to the level.															
52	DIR	I	TAPE running direction indicator input															
53	FF/REW	I	TAPE FF/REW indicator input															
54	E-VOL DATA	O	Pins to control the LC75374E electronic VR.															
55	E-VOL CK																	
56	E-VOL CE																	

Pin No.	Pin Name	I/O	Description
57	V-REF	I	Reference voltage pin
58	LED FLASH	O	This function is enabled when the ACC input is "L" and PANEL input is "L". "H" causes flashing for 0.1 s and "L" causes 0.9 s flashing. This output is disabled when the LED FLASH jumper is "H".
59	DATA	I/O	For communications with LCD driver and key input IC TC9297F.
60	CLK	O	
61	CE	O	
62	BEEP	O	Buzzer output
63	T-MUTE	O	Tuner muting output
64	REMO-IN	I	Interrupt of remote control signal
65	INTR 2	I	Not used.
66	TEST	I	Test mode control input
67	HOLD	I	Monitors that the power is turned on with ignition switched on.
68	SD-IN	I	SD signal input
69	IF-IN	I	IF signal input
70, 71	DO1, DO2	O	DO outputs
72	GND	-	GND
73	FMIN	I	FM/AM local oscillator signal input
74	AMIN		
75	VDD	-	VDD terminal
76	RESET	I	Reset input
77	XOUT	O	For the connection of a crystal oscillator
78	XIN	I	
79	VXT	-	
80	GND	-	GND

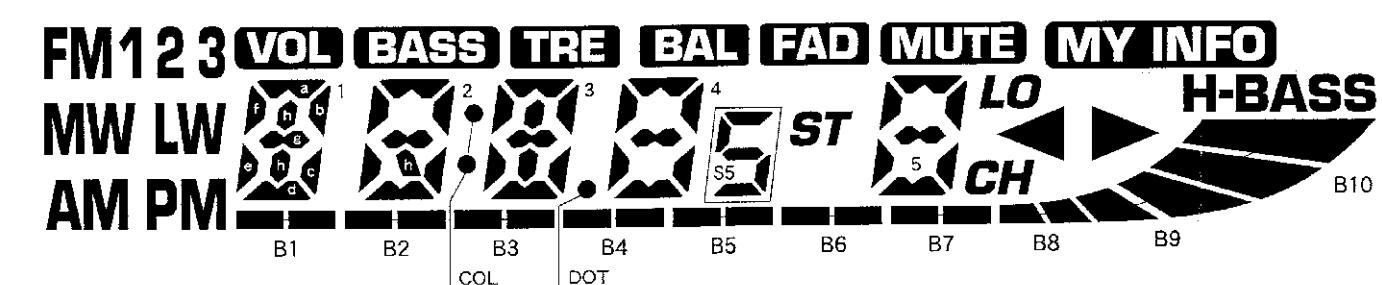
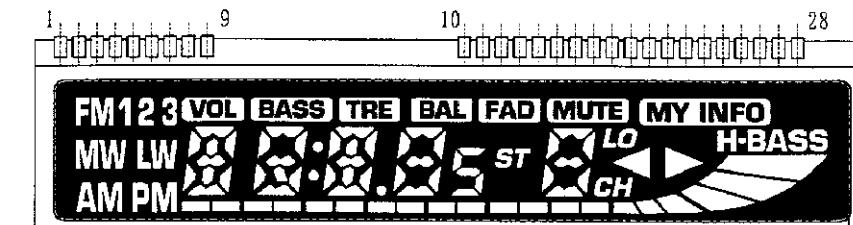
LCD DISPLAY

Parts No. 8A-KTG-610-010 [Except for CT-X320YV]



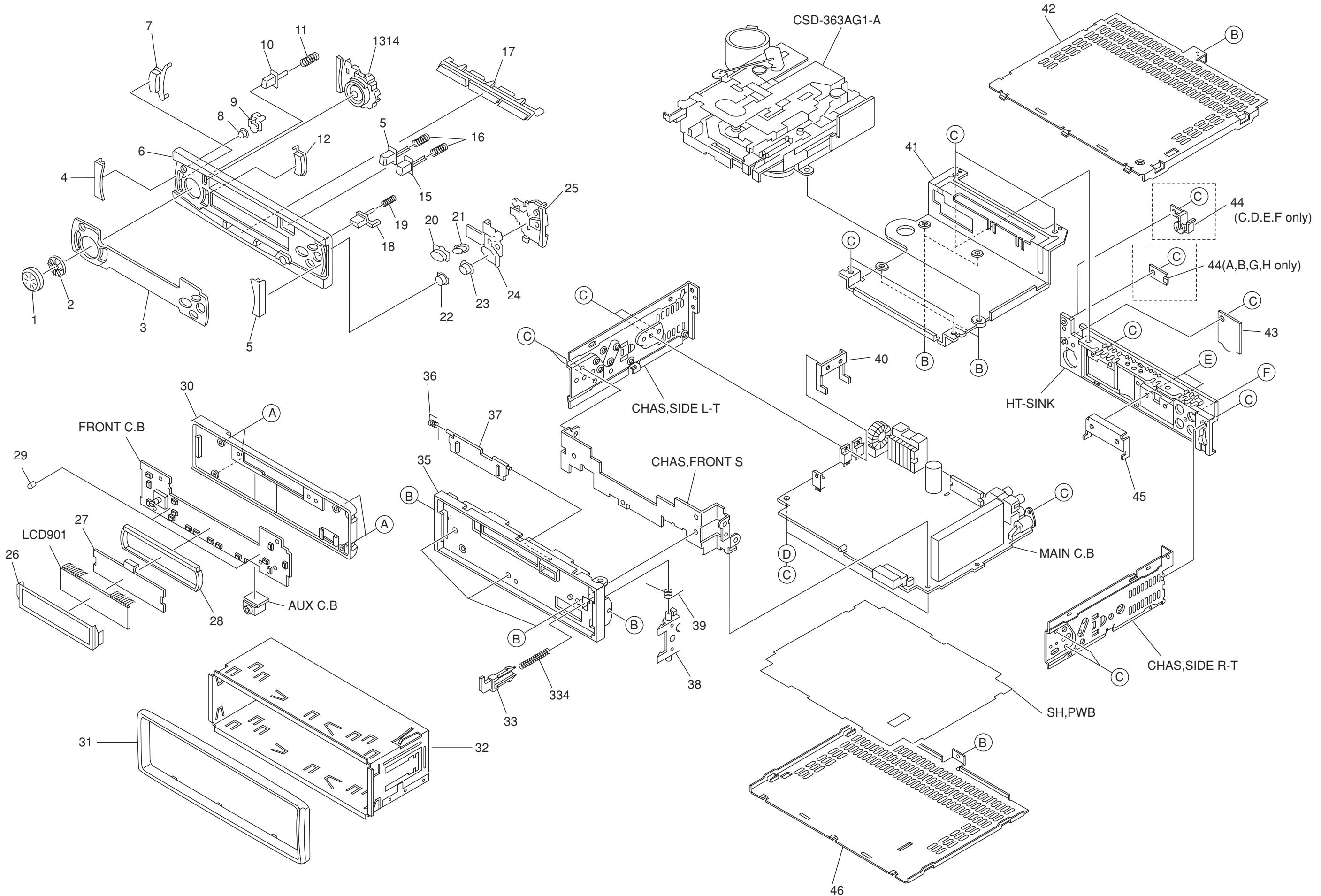
No	COM1	COM2	COM3
1	—	—	COM3
2	—	COM2	—
3	COM1	—	—
4	FM	MW	AM
5	1	LW	PM
6	2	3	B1
7	1a	1f	1e
8	1b	1g	1d
9	VOL	1c	1h
10	2a	2f	2e
11	2b	2g	2d
12	BASS	2c	2h
13	—	COL	B2
14	TRE	—	B3
15	3a	3f	3e
16	3b	3g	3d
17	DOT	3c	3h
18	4a	4f	4e
19	4b	4g	4d
20	BAL	4c	B4
21	FAD	S5	B5
22	MUTE	ST	B6
23	5a	5f	5e
24	5b	5g	5d
25	LO	5c	B7
26	MY-INFO	CH	B8
27	AUX	◀	B9
28	H-BASS	▶	B10

Parts No. 8A-KTG-610-010 [CT-X320YV]



No	COM1	COM2	COM3
1	—	—	COM3
2	—	COM2	—
3	COM1	—	—
4	FM	MW	AM
5	1	LW	PM
6	2	3	B1
7	1a	1f	1e
8	1b	1g	1d
9	VOL	1c	1h
10	2a	2f	2e
11	2b	2g	2d
12	BASS	2c	2h
13	—	COL	B2
14	TRE	—	B3
15	3a	3f	3e
16	3b	3g	3d
17	DOT	3c	3h
18	4a	4f	4e
19	4b	4g	4d
20	BAL	4c	B4
21	FAD	S5	B5
22	MUTE	ST	B6
23	5a	5f	5e
24	5b	5g	5d
25	LO	5c	B7
26	MY-INFO	CH	B8
27	—	◀	B9
28	H-BASS	▶	B10

MECHANICAL EXPLODED VIEW 1/1



MECHANICAL MAIN PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
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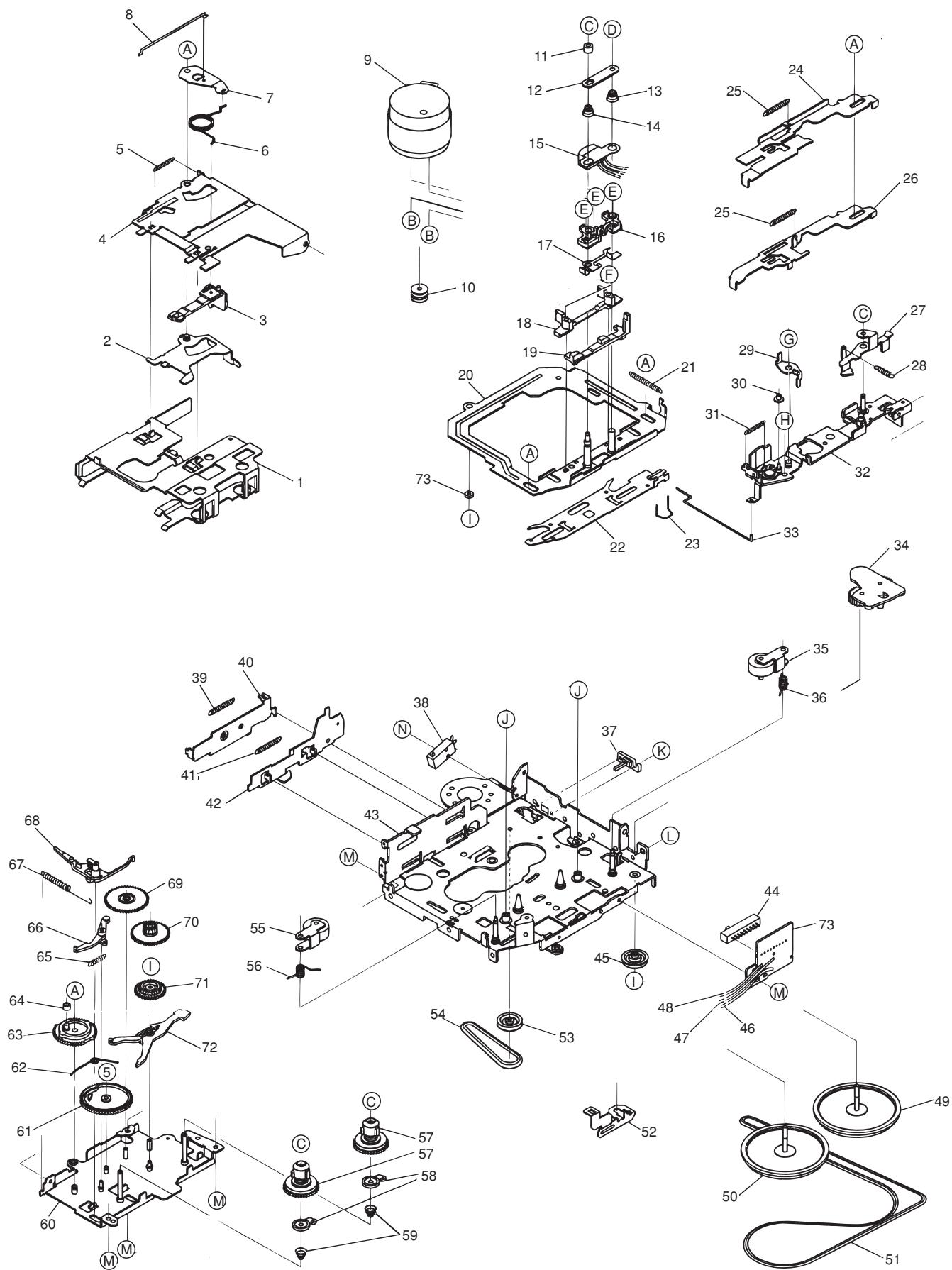
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-KTF-020-010		KNOB,RTRY NON RUBBER	24	8A-KT5-211-010		HLDR,BTN DISP
2	8A-KT5-021-010		RING,RTRY A	25	8A-KTF-206-010		LENS,R F
3	8A-KTG-017-010		WINDOW,LCD X310<C>	26	8A-KTG-201-010		HLDR,LCD G
3	8A-KTG-010-010		WINDOW,LCD X320<E,F>	27	8A-KTG-203-010		LENS,LCD G
3	8A-KTG-016-010		WINDOW,LCD X325<D>	28	8A-KTG-202-010		CASE,LCD G
3	8A-KTG-005-010		WINDOW,LCD X410	29	8Z-KT1-239-0100		CAP,LAMP BLU B<EXCEPT C>
3	8A-KTG-006-010		WINDOW,LCD X4100<G>	29	8Z-KTG-209-010		CAP,LAMP ORN<C>
3	8A-KTG-007-010		WINDOW,LCD X4150<H>	30	8A-KTF-002-010		CABI,REAR F
3	8A-KTG-002-010		WINDOW,LCD X420<A>	31	8A-KTF-003-010		CABI,TRIM F
4	8A-KT4-011-010		WINDOW,L 4<C>	32	8Z-KT1-231-010		HLDR,HALF -T
4	8A-KTF-004-010		WINDOW,L F<EXCEPT C>	33	8Z-KTA-203-010		LEVER,DFP LOCK -T10
5	8A-KT4-010-010		WINDOW,R 4<C>	34	8Z-KTA-221-010		SPR-C,DETACH LOCK-T10
5	8A-KTF-005-010		WINDOW,R F<EXCEPT C>	35	8A-KTF-014-010		CABI,BASE F
6	8A-KTG-001-010		CABI,FRONT G	36	8Z-KT1-244-010		SPR-T,DOOR Z
7	8A-KTF-013-010		BTN,FNC F	37	8Z-KT1-023-110		DOOR,CASS
8	8A-KT5-012-010		BTN,PWR<EXCEPT C>	38	8Z-KTA-204-110		LEVER,DEF HOOK -T10
8	8A-KT4-005-010		BTN,PWR 4<C>	39	8Z-KTA-222-010		SPR-T,DETACH LOCK-T10
9	8A-KT5-210-010		HLDR,BTN MU	40	8A-KT5-204-010		HLDR,TR
10	8A-KTF-010-010		BTN,EJECT F	41	8A-KTF-202-010		HLDR,DECK F
11	8Z-KTA-226-010		SPR-C,EJECT	42	8Z-KT1-211-010		COVER, TOP -T
12	8A-KTG-003-010		BTN,UP/DN G	43	8Z-KT4-201-010		COVER, CD BLIND -T
13	8A-KTF-205-010		LENS,ENCO F	44	8Z-KT5-201-010		COVER, ISO BLIND -T<A,B,G,H>
14	8A-KTF-012-010		BTN,REW F	44	8A-KT5-219-010		HLDR,ISO-WIRE 5<C,D,E,F>
15	8A-KTF-011-010		BTN,FF F	45	8A-KTF-201-010		HLDR,IC F
16	87-KTE-205-010		SPR-C,EJ/FF/REW	46	8Z-KT1-212-010		COVER, BOTTOM -T
17	8A-KTG-004-010		BTN,P.SET G	A	8Z-KT1-253-010		S-SCREW,PT 2*8 BH+ BLK
18	8A-KTF-015-010		BTN,DETACH	B	88-KT1-250-010		S-SCREW,THIN HEAD+2.6-4 BLK
19	8Z-KTA-223-010		SPR-C,RELEASE -T10	C	87-251-073-410		SCREW,U+2.6-6
20	8A-KT5-013-010		BTN,DISP<EXCEPT C>	D	87-432-903-010		WASHER,WTE 2.6
20	8A-KT4-007-010		BTN,SEL 4<C>	E	87-251-097-410		U+3-12
21	8A-KT5-014-010		BTN,A/M<EXCEPT C>	F	87-B10-259-010		UT2+3.0-10.0 W/O SLOT (BH TAP)
21	8A-KT4-009-010		BTN,PS 4<C>				
22	8A-KT5-016-010		BTN,INFO<EXCEPT C>				
22	8A-KTG-015-010		BTN,INFO G<C>				
23	8A-KT5-015-010		BTN,LO				

TYPE	MODEL NAME	SUFFIX
A	CT-X420	YU
B	CT-X410	YU
C	CT-X310	YZ
D	CT-X325	YV
E	CT-X320	YZ
F	CT-X320	YV
G	CT-X4100	YL
H	CT-X4150	YL

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

MECHANISM EXPLODED VIEW 1/1



MECHANISM MAIN PARTS LIST 1/1

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REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S1-013-810-100		HOLDER CASS(X)	49	S1-036-360-100		FLYWHEEL ASSY(F) CPL
2	SX-003-610-190		EJECT CAM LOCK ASSY	50	S1-036-360-110		FLYWHEEL ASSY(R) CPL
3	S1-003-220-070		TAPE HOOKER	51	S1-003-650-040		BELT MAIN
4	S1-013-810-020		HANGER CASS(X)	52	S1-003-610-260		ARM FR(B)
5	S1-003-640-070		EJECT CAM LOCK SPG	53	S1-036-320-030		GEAR PULLEY
6	S1-003-640-230		CENTER PLATE SPG(B)	54	S1-036-350-010		BELT SUB
7	S1-003-610-180		PLATE CENTER	55	SX-036-360-040		PINCH ARM ASSY(R)
8	S1-036-350-070		RETURN LINK	56	S1-036-340-040		PINCH ARM(R)
9	S1-003-670-570		MOTOR	57	SX-036-320-050		REEL SPINDLE ASSY
10	S1-036-330-420		MOTOR PULLEY(MBC)	58	SX-036-360-060		DETECTOR CAM ASSY(V)
11	S1-003-630-320		ROLLER FF(A)	59	S1-013-840-010		BACK TENSION SPG
12	S1-003-610-150		PLATE SPG SUPPORT	60	SX-036-360-010		REEL BASE ASSY
13	S1-003-640-100		ADJUSTER ARM SPG(A)	61	S1-003-620-140		GEAR DETECTR
14	S1-003-640-110		ADJUSTER ARM SPG(B)	62	S1-003-640-150		DASH SPG
15	S1-036-370-040		HEAD	63	S1-003-620-100		GEAR SELECTOR
16	S1-013-820-053		ADJUSTER ARM BLUE	64	S1-003-630-180		COLLER(SELECTOR GEAR)
17	S1-013-810-060		ADJUSTER SHIM(X)	65	S1-003-640-030		GEAR LOCK ARM SPG
18	S1-003-820-180		GUIDE TAPE	66	S1-003-820-140		GEAR LOCK ARM
19	S1-036-320-060		LINK ADJUSTER(B)	67	S1-003-840-140		RATCHET SPG
20	SX-036-310-020		HEAD PLATE ASSY	68	S1-003-620-070		RATCHET
21	S1-003-640-060		PLATE SPG HEAD	70	S1-003-620-040		GEAR REDUCTION(A)
22	SX-036-310-040		FR CONVRT ARM ASSY(A)	71	S1-003-620-010		GEAR IDLE
23	S1-003-640-170		SW SELECT ARM SPG	72	S1-003-620-090		ARM SENSOR
24	S1-003-610-510		LEVER FF(AT)	73	S1-036-330-070		ROLLER HP(A)
25	S1-003-640-010		LEVER SPG FF/REW	A	S2-171-200-501		E-RING 2
26	S1-003-610-530		LEVER REW(AT)	B	S2-103-200-25C		SCREW,M2-2.5
27	S1-003-610-290		ARM LOCK(A)	C	S1-003-650-240		PSW(REEL)B 1.5-3.2-0.25
28	S1-003-640-020		LEVER SPG LOCK	D	S2-101-200-40C		SCREW,M2-4
29	S1-003-610-230		LEVER CHANG(B)	E	S1-013-850-020		SCREW,M2-5
30	S1-036-330-110		ROLLER PROGRAM	F	S2-103-200-70C		SCREW,M2-7
31	S1-003-640-080		ARM SPG PROGRAM	G	S2-171-250-601		E-RING 2.5
32	SX-036-360-020		LEVER BRACKET ASSY	H	S2-133-200-40C		SCREW,S-TYPE M2-4
33	S1-036-350-030		SELECTOR LINK(B)	I	S2-181-200-30D		PSW-S 1.2-3.0-0.25
34	SX-036-360-030		TU GEAR ARM ASSY	J	S2-181-600-32E		LMW-S 1.6-3.2-0.35
35	SX-036-360-050		PINCH ARM ASSY(F)	K	S2-133-170-40C		SCREW,S-TYPE M1.7-4
36	S1-036-340-030		PINCH ARM SPG(F)	M	S2-138-200-30C		SCREW,B-TYPE M2-3
37	S1-036-370-010		SW,MUTE	N	S2-133-170-60C		SCREW,S-TYPE M1.7-6
38	S1-036-370-050		SW,POWER				
39	S1-003-620-030		GEAR REDUCTION(B)				
39	S1-036-340-050		LEVER SPG EJECT				
40	S1-003-610-070		LEVER EJECT				
42	S1-036-310-030		CAM EJECT				
42	S1-036-340-060		CAM SPG EJECT				
44	S1-036-370-020		SW,SLLLLIDE				
45	S1-005-820-215		IDLE PULLEY(A)				



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